

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2003 年 11 月 27 日 (27.11.2003)

PCT

(10) 国際公開番号
WO 03/098318 A1

(51) 国際特許分類: G02B 26/10

(21) 国際出願番号: PCT/JP03/05643

(22) 国際出願日: 2003 年 5 月 2 日 (02.05.2003)

(25) 国際出願の言語: 日本語

(26) 国際公開の言語: 日本語

(30) 優先権データ:
特願2002-140673 2002 年 5 月 15 日 (15.05.2002) JP

(71) 出願人 (米国を除く全ての指定国について): 松下電
器産業株式会社 (MATSUSHITA ELECTRIC INDUS-
TRIAL CO., LTD.) [JP/JP]; 〒571-8501 大阪府 門真市
大字門真1006番地 Osaka (JP).

(72) 発明者; および

(75) 発明者/出願人 (米国についてのみ): 吉川 正紀

(YOSHIKAWA, Masanori) [JP/JP]; 〒572-0001 大阪
府 寝屋川市 成田東町17番7号 Osaka (JP). 廣瀬 秀雄
(HIROSE, Hideo) [JP/JP]; 〒573-0076 大阪府 枚方市
東香里元町6-22 Osaka (JP).

(74) 代理人: 特許業務法人池内・佐藤アンドパートナ
ーズ (IKEUSHI SATO & PARTNER PATENT ATTOR-
NEYS); 〒530-6026 大阪府 大阪市 北区天満橋1丁目8
番30号OAPタワー26階 Osaka (JP).

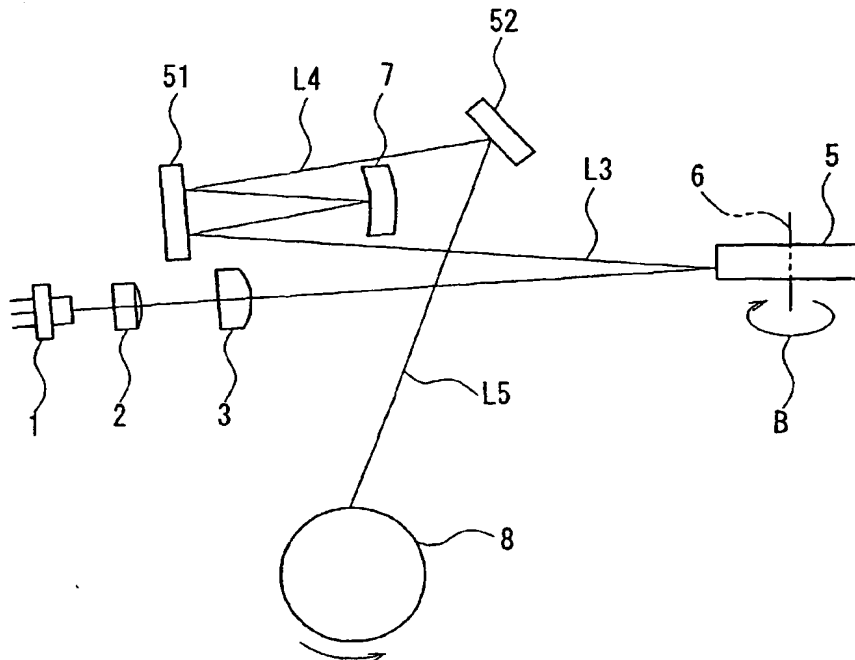
(81) 指定国 (国内): CN, JP, US.

添付公開書類:
— 国際調査報告書

2文字コード及び他の略語については、定期発行される
各PCTガゼットの巻頭に掲載されている「コードと略語
のガイダンスノート」を参照。

(54) Title: PHOTO SCANNER AND IMAGE FORMING DEVICE

(54) 発明の名称: 光走査装置および画像形成装置



(57) Abstract: A photo scanner, comprising a first reflecting optical element (7) and a second reflecting optical element (51), wherein the second reflecting optical element (51) is disposed so as to reflect incident light to the first reflecting optical element (7) and reflected light from the first reflecting optical element, whereby a small-sized photo scanner can be provided.

[続葉有]

Best Available Copy



WO 03/098318 A1

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/05643

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G02B26/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ G02B26/10Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003
Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 11-149054 A (Ricoh Co., Ltd.), 02 June, 1999 (02.06.99), (Family: none)	1, 2-4, 9, 11. 5-8, 10
X A	JP 10-239608 A (Ricoh Co., Ltd.), 11 September, 1998 (11.09.98), (Family: none)	1, 3, 4, 11 1, 5-10

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
28 July, 2003 (28.07.03)Date of mailing of the international search report
12 August, 2003 (12.08.03)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.